



US 20210298603A1

(19) **United States**(12) **Patent Application Publication**  
**FELDMAN et al.**(10) **Pub. No.: US 2021/0298603 A1**(43) **Pub. Date: Sep. 30, 2021**(54) **SYSTEMS AND METHODS FOR IMAGING  
AND MANIPULATING TISSUE**(60) Provisional application No. 62/049,955, filed on Sep.  
12, 2014.(71) Applicant: **Research Development Foundation,**  
Carson City, NV (US)**Publication Classification**(72) Inventors: **Marc D. FELDMAN**, San Antonio, TX  
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TX (US)(51) **Int. Cl.**  
**A61B 5/00** (2006.01)  
**A61B 18/20** (2006.01)  
**A61B 18/22** (2006.01)(73) Assignee: **Research Development Foundation,**  
Carson City, NV (US)(52) **U.S. Cl.**  
CPC ..... **A61B 5/0066** (2013.01); **A61B 18/20**  
(2013.01); **A61B 2018/00982** (2013.01); **A61B**  
**2018/2075** (2013.01); **A61B 18/22** (2013.01)(21) Appl. No.: **17/346,563**(22) Filed: **Jun. 14, 2021**(57) **ABSTRACT****Related U.S. Application Data**(62) Division of application No. 14/852,460, filed on Sep.  
11, 2015, now abandoned.Exemplary embodiments of the present disclosure include  
systems and methods capable of imaging, manipulating, and  
analyzing tissue using light, including for example, coagu-  
lating and breaking the molecular bonds (e.g. cutting) tissue.